



# **US Transportation Command**

## **Initiatives**

**28 April 2008**



# Joint Task Force- Port Opening (JTF-PO)



- **Joint Expeditionary Capabilities**
  - Pre TPFDD
  - No Marine Corps Costs
  - Modular, Scalable Force
    - Max size 163 personnel
    - Remains with their parent unit until notified by USTRANSCOM
    - Provides discharge capability for:
      - 550 Twenty-foot equivalent units every 72 hours
      - 250,000 square feet minus broken storage
      - Move cargo to forward nodes up to 10 Km



# Joint Task Force- Port Opening (JTF-PO)



- Enables USTRANSCOM to Rapidly
  - Establish and Operate.
    - A port of Debarkation and Distribution Node
    - Facilitating Port Throughput in support of Combatant Commander
  - JTF-PO Aerial Port of Debarkation (APOD)
    - 12 Hour Response Time
    - Consist of Elements from
      - AMC Contingency Response Group
      - Single 55 Person Surface Element



# Joint Task Force- Port Opening (JTF-PO)



## JTF-PO Sea Port of Debarkation (SPOD)

-12 Hour Response Time

-Capabilities Provided:

- Joint Trained and Lead element with habitual relationships
- Capability to quickly assess and open a distribution Node and Network
- Organic or Contract Transportation
- Joint Assessment Team to conduct focused port and Distribution Assessments
- Dedicated element to conduct
  - Movement control Operations
  - Cargo on ward movements
- Organic in-transit visibility
  - Provides visibility of forces and cargo
  - At both port and debarkation and forward distribution node



# Theater Enterprise Deployment and Distribution Effort



- Analytically identify needs
- Develop solutions for the theater to accomplish control functions including
  - Operational Planning
  - Optimization
  - Movement requirement identification
  - Movement performance assessment



# Transportation Tracking Numbers (TTN)



**Current process infers that closure occurred**

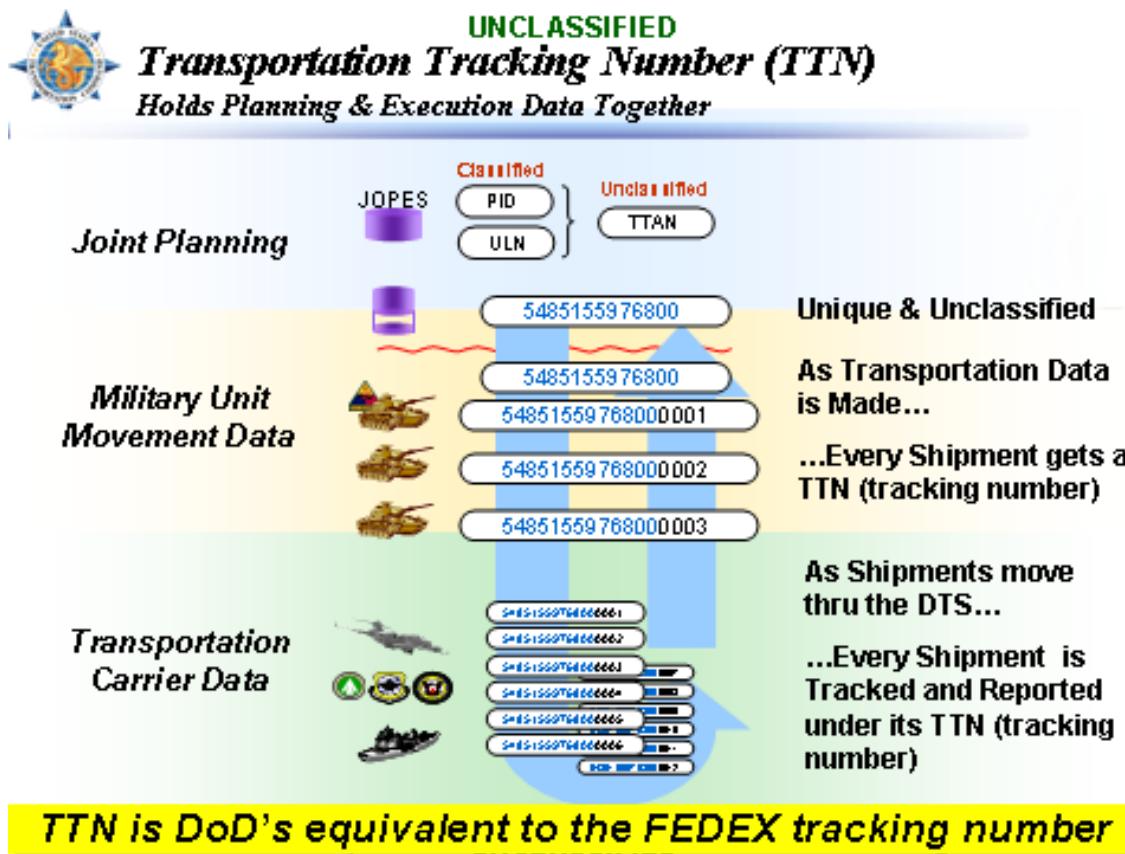
- **TTN provides:**
  - Status of force deployment in transportation pipeline
  - End-to-End synchronization of strategic and theater force movement
  - Ability to compare what actually moved against what was planned
    - Enables assessment of combat capability for employment
  - Multi-modal visibility of force movements on commercial lift assets
  - Actual closure visibility of each end item



# Transportation Tracking Numbers



- JOPES and Defense Transportation System execution domain is significantly different

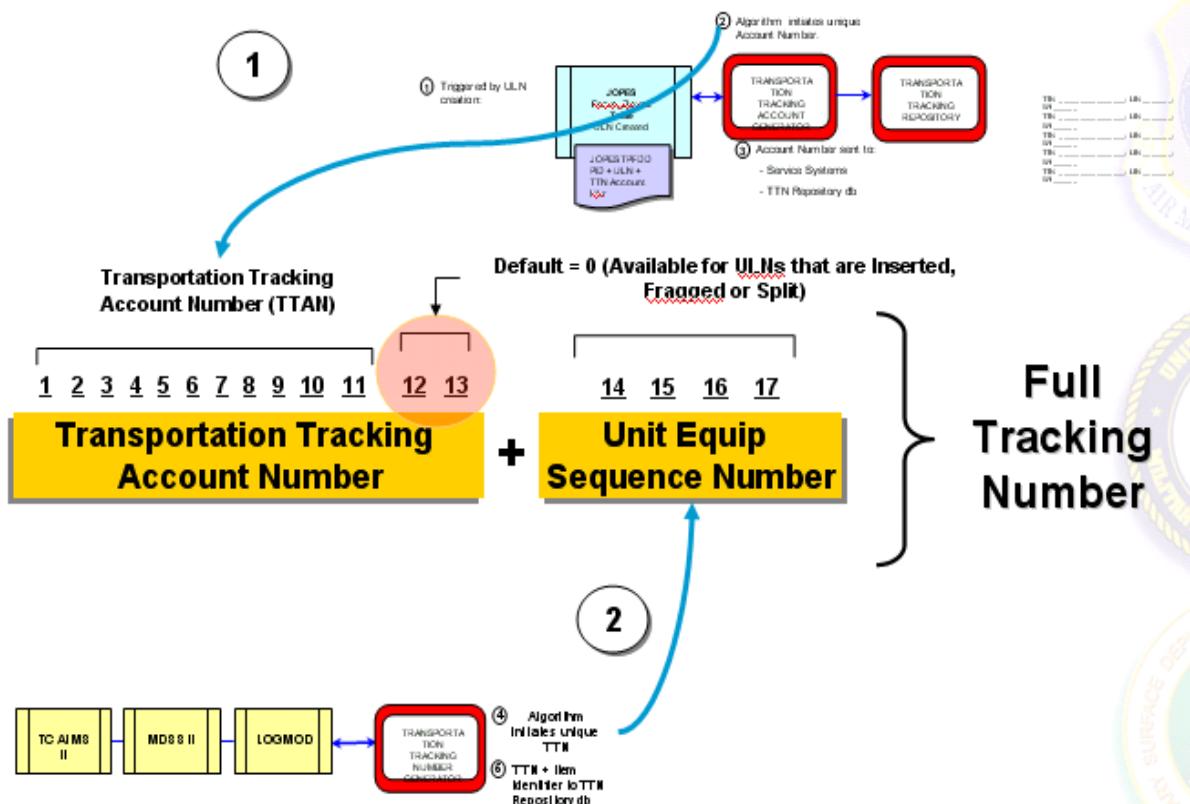




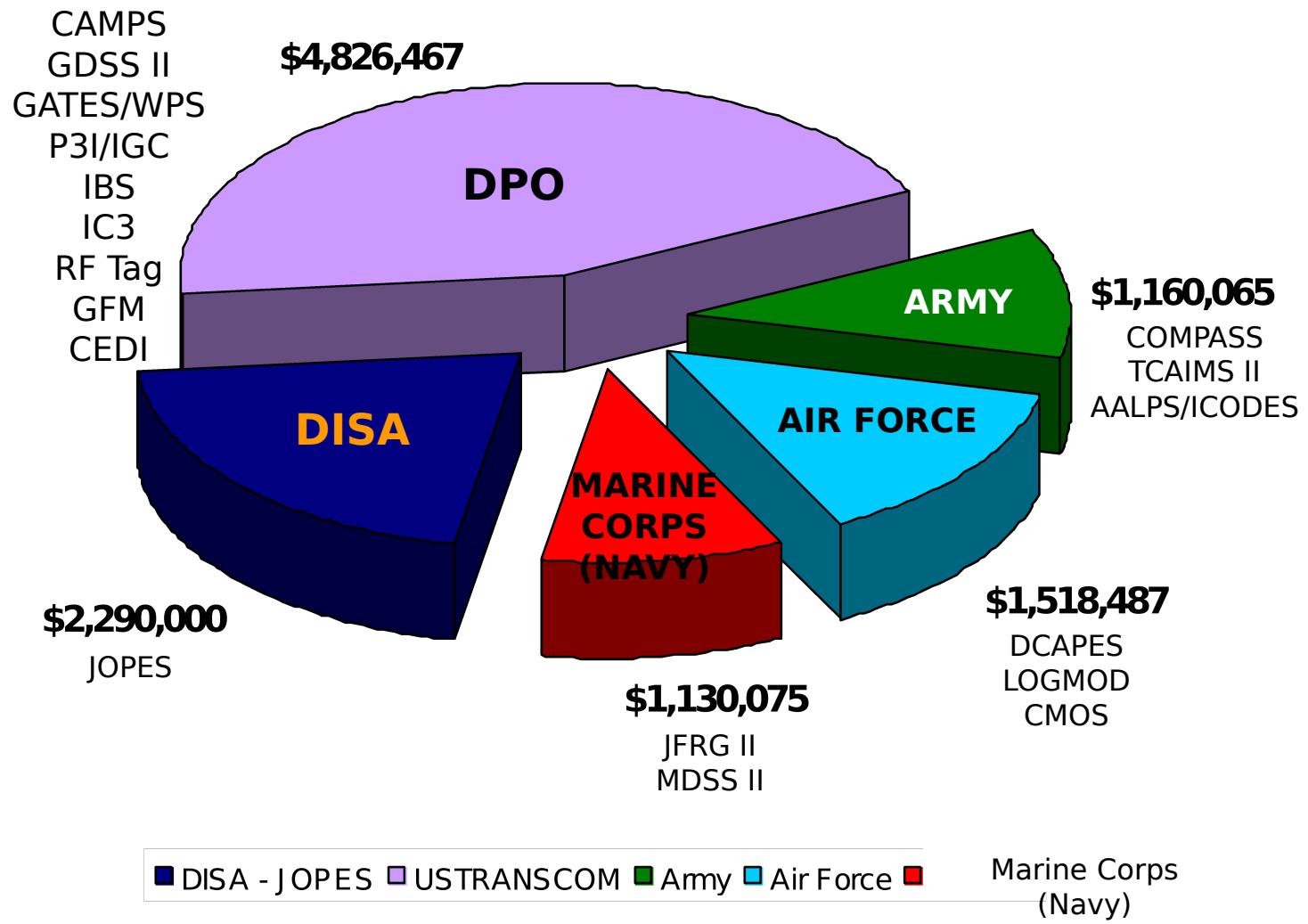
# TTN



## Solution Building a TTN



# TTN Implementation: Stakeholder FY09-10 Estimates





# Transportation Priority 4 (TP- 4) Movement CONOPS



- Maximize **unused airlift retrograde capacity** using TP-4 (Surface) rates
  - Low Priority Cargo (not part of redeployment)
- **60% availability on return channel missions from Iraq and Kuwait**
- **Class five and Class eight does not apply**
- **Benefits**
  - Convoy mitigation for cargo flying TP4 out of Iraq
  - Critical equipment repaired faster/back to the fight
- **Balad has ability to move Class-VII, five items of rolling stock and 40 pallets/week**
  - Applies to SECREPS, sustainment cargo, some class VII
- **Kuwait has ability to move Class IX/VII (pallets); 30 pallets/week**
- **LIMFAC exist for Balad (wash racks, Customs, Sterile Yards)**



# Global Supply Chain Management



- **Formal Partnership between:**
  - US TRANSCOM
  - Defense Logistic Agency
  - US Services Administration (GSA)
- **Executive Steering Committee established**
  - Made up of members from all three organizations
  - Oversees initiatives to ensure mutual shared expectations



# Global Supply Chain Management



## • Goals

- Improve Operations, information sharing and integrated supply chain operations planning
- Adopt shared processes to gain efficiencies
- Determine information technology requirements
- Develop shared customer relationship activities and initiatives
- Share supply chain and distribution business intelligence and current event information
- Collaborate across boundaries of the supply chain



# Human Capital Development



- Initiative designed to:
  - Develop its human capital
  - Build a cadre of trained and experienced joint logisticians
  - Improve the way the command does business from a global supply chain perspective



# Human Capital Development



**-U STRANSCOM developed a Joint Deployment Distribution Enterprise JDDE competency model**

- Identifies the spectrum of core competencies and knowledge skill needed to accomplish DPO mission
- Can be used to identify requirements for entire JDDE
- Joint Staff J-4 reviewing model as potential template for entire log community



# Human Capital Development



-**USTRANSCOM developed a Distribution Academy**

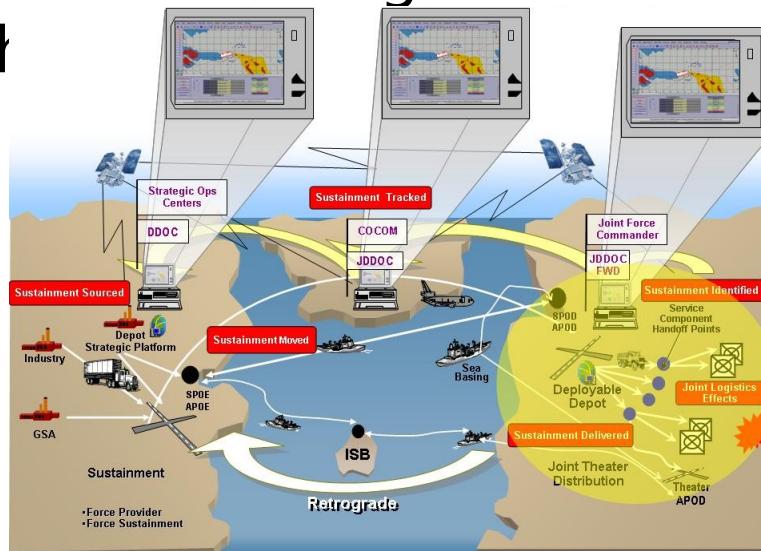
- Ensure people understand Distribution Operations
- Two Phases
  - Orientation course
    - »(DPO Overview)
    - » Commanders guidance
    - » Strategic Plan USTRANSCOM Concepts and Initiatives
    - »Staff Officer Training
  - Supply Chain Management program
    - »Targets Command's JDDE Billets
    - »Intro into Supply Chain Management (provided by ICAF)



# Node Management and Deployable Depot (NoMaDD) ACTD



- Develop a tool to provide nodal management and visibility across the Joint Deployment & Distribution Enterprise and a Deployable Distribution Center (DDC) to manage the physical flow of sustainment materiel in the theater
- Provide near real-time logistics decision support and enhance the JTF-PO operations)





# Joint Enabled Theater Access - Sea Ports of Debarkation (JETA-SPOD) JCTD



- Develop and demonstrate a LMCS that will be transportable by and employable from intra-theater sealift vessels as well as a planning/decision support tool to assist warfighters' assessment and selection of austere SPOD options
- Increased operational flexibility (deployment/employment/sustainment) by ~~extending reach into~~ austere environments
- Transition FY10



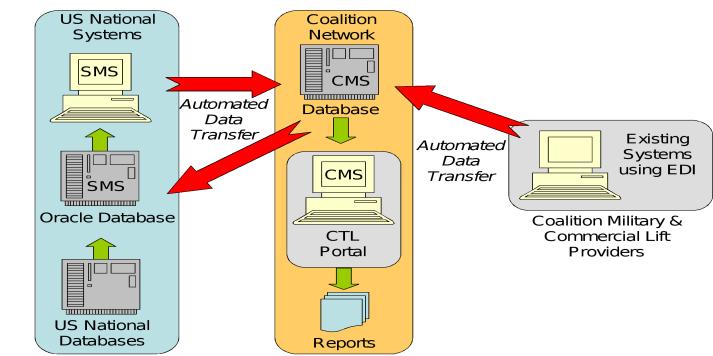


# Coalition Mobility System JCTD



- Provides the ability to collect and query operationally relevant information pertaining to force movement and sustainment supporting coalition operations
- Allows for visualization of coalition movements and improved lift efficiency

POR: Strategic Mobility System (SMS) -





# CONTRAIL

- Facilitate the carriage of military equipment for the United States Army and Marine Corps on conventional container ships
- Enables oversized unit equipment and 102-inch wide containers to be stored or moved aboard commercial containerships enhancing strategic sealift capabilities/capacity
- Originally a proof of concept/project completion  
1QFY09/transition ad  
for Intermodal Equip



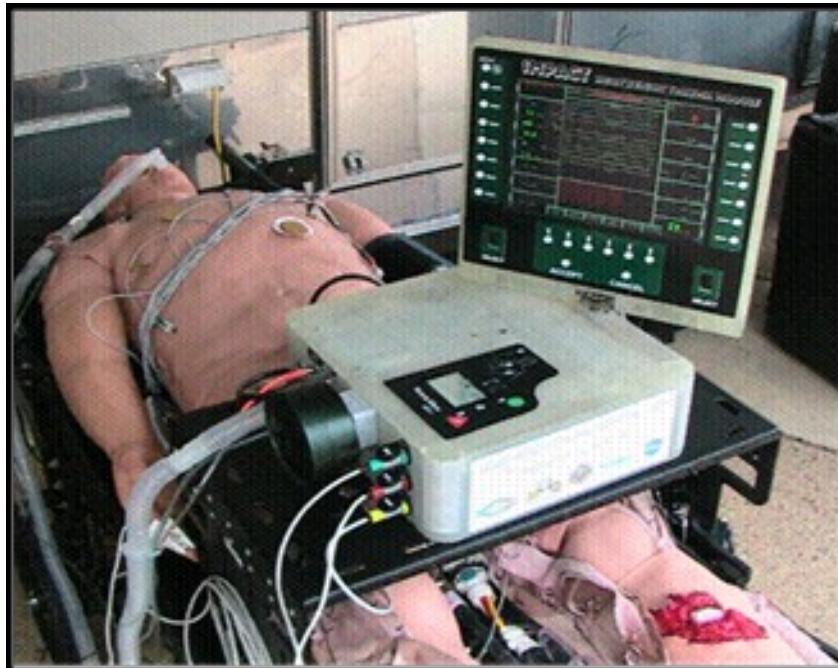
Authorization Board  
Working Group



# Lightweight Trauma Module



- Joint system to support the ongoing and seamless care of the ill or injured war fighter during all aspects of transport from Level II to Level IV and beyond
- Enhance DOD's ability to save lives/reduce long term effects from battle wounds/other injuries. POR: En Route Care System (ERCS)





# Shipboard Selective Access and Retrieval System (SSARS)



- Adapt commercially air skid and develop prototype system to move representative cargo and vehicles in an LMSR cargo hold equivalent environment in conditions up to sea state 5
- Enhanced ability to conduct at sea operations. USMC developing transition strategy

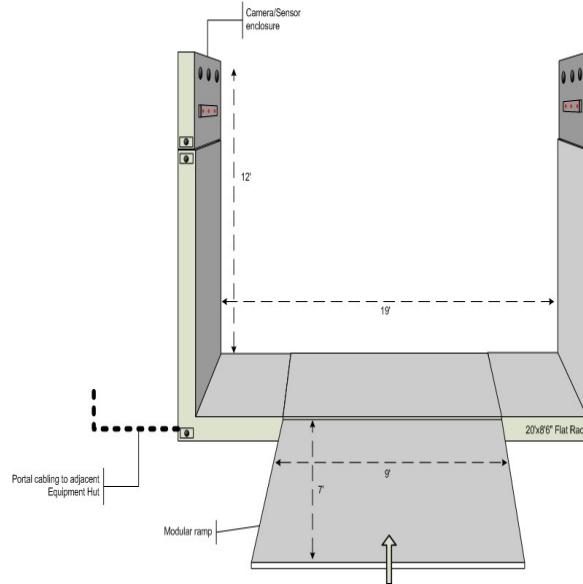




# Optical Character Recognition



- Automatic system that captures container ISO numbers without relying on additional tagging, human intervention, battery life, and ambiguous dynamic, non-static, associations of tag and container number within a database
  - Increase positive control and management of shipping asset and supplies in the DTS resulting in cost savings from redundant/duplicate orders and shipments
  - Proof of concept

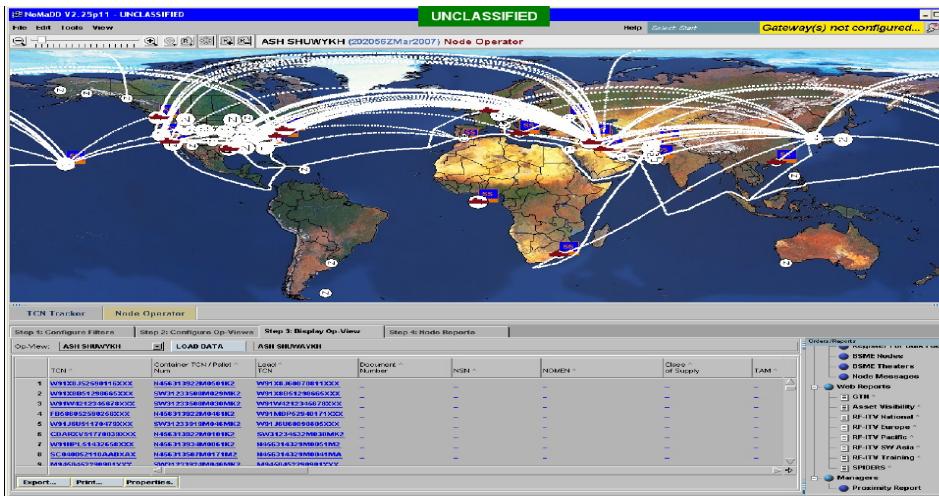




## **Collaborative Operational Picture for Deployment and Distribution (COP D2):**



- Provides timely and actionable information to enhance warfighters' level of confidence in joint distribution processes
  - Actionable information to make D2 decisions at all levels
  - Multi-year systems integration effort





# QUESTIONS?